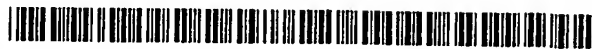


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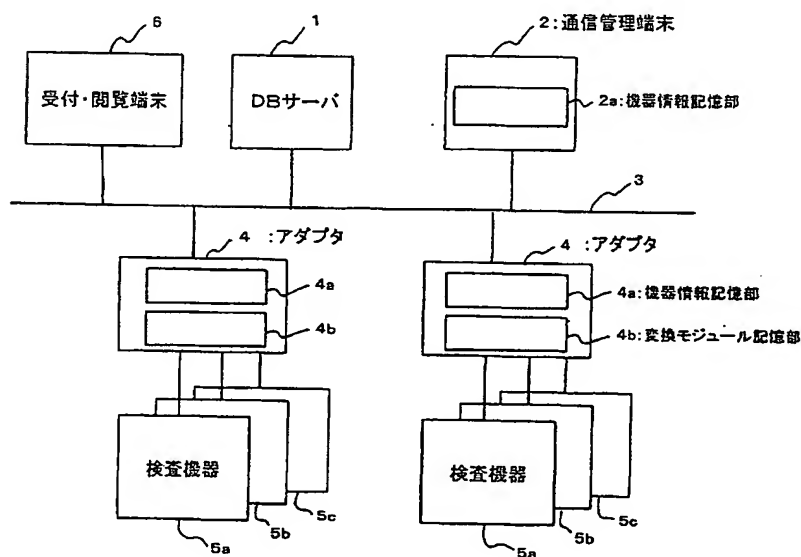
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- (51) 国際特許分類: G06F 13/00 (71) 出願人 (米国を除く全ての指定国について): アークレイ株式会社 (ARKRAY, INC.) [JP/JP]; 〒601-8045 京都府京都市南区東九条西明田町57番地 Kyoto (JP).
- (21) 国際出願番号: PCT/JP2003/012815
- (22) 国際出願日: 2003 年 10 月 7 日 (07.10.2003) (72) 発明者; および
- (25) 国際出願の言語: 日本語 (75) 発明者/出願人 (米国についてのみ): 山田 欣一 (YAMADA, Kinnichi) [JP/JP]; 〒601-8045 京都府京都市南区東九条西明田町57 アークレイマーケティング株式会社内 Kyoto (JP). 黄瀬 保 (KINOSE, Tamotsu) [JP/JP]; 〒600-8815 京都府京都市下京区中堂寺栗田町1京都リサーチパーク6号館414 アークレイデジタルラボラトリ株式会社内 Kyoto (JP). 近清 裕
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願2002-296721 2002 年 10 月 9 日 (09.10.2002) JP

[続葉有]

(54) Title: DATA RELAY DEVICE AND DATA MANAGEMENT SYSTEM USING THE SAME

(54) 発明の名称: データ中継装置およびこれを用いたデータ管理システム



6...RECEPTION/READING TERMINAL
1...DB SERVER
2...COMMUNICATION MANAGEMENT TERMINAL
2a...DEVICE INFORMATION STORAGE SECTION
4...ADAPTER
5a...INSPECTION DEVICE
4a...DEVICE INFORMATION STORAGE SECTION
4b...CONVERSION MODULE STORAGE SECTION

(57) Abstract: There are provided a data relay device and a data management system not requiring setting modification when connecting a new inspection device or a measurement device. An adapter (4) for connecting a plurality of types of inspection devices (5a, 5b, ...) creating data of different formats to a LAN (3) stores in advance a conversion program for converting individual messages of the respective devices into common messages according to the inspection devices (5a, 5b, ...), converts individual messages serial-transmitted from the inspection devices (5a, 5b, ...) into a common format, and transmit them to a communication management terminal (2).

(57) 要約: 新しい検査機器または測定機器を接続する際に設定変更が不要なデータ中継装置およびデータ管理システムを提供する。互いに異なるフォーマットのデータを生成する複数種類の検査機器 5a, 5b...を LAN 3 に接続するためのアダプタ 4 が、検査機器 5a, 5b...の種類に応じて、各機器の個別電文を共通電文に変換するための変換プログラムをあらかじめ記憶し、検査機器 5a, 5b...からシリアル送信される個別電文を、共通フォーマットに変換して通信管理

[続葉有]



— (CHIKAKIYO, Hirokazu) [JP/JP]; 〒770-8012 徳島県 徳島市 大原町千代ヶ丸41-1 Tokushima (JP).

(74) 代理人: 特許業務法人池内・佐藤アンドパートナーズ (IKEUCHI SATO & PARTNER PATENT ATTORNEYS); 〒530-6026 大阪府 大阪市 北区天満橋1丁目8番30号OAPタワー26階 Osaka (JP).

(81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

- 国際調査報告書
- 請求の範囲の補正の期限前の公開であり、補正書受領の際には再公開される。

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12815

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G06F13/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G06F13/00, H04L12/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 8-115286 A (Hitachi, Ltd.), 07 May, 1996 (07.05.96), Full text; all drawings (Family: none)	1-3, 6-8 4, 5, 9-13
X Y	JP 9-34685 A (Hitachi, Ltd.), 07 February, 1997 (07.02.97), Full text; all drawings & US 2001/2851 A1	1-3, 6-8 4, 5, 9-13
Y	JP 2001-343075 A (Canon Inc.), 07 September, 2001 (07.09.01), Full text; all drawings (Family: none)	4, 5, 9-11

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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10 February, 2004 (10.02.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12815

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-282656 A (Brother Industries, Ltd.), 15 October, 1999 (15.10.99), Par. Nos. [0037] to [0047]; Figs. 2 to 3 (Family: none)	12
Y	JP 2001-125773 A (Sharp Corp.), 11 May, 2001 (11.05.01), Par. Nos. [0060] to [0062]; Fig. 3 (Family: none)	13